

42. (New) The method of claim 41, wherein said polypeptide is fused to polyethylene glycol.
43. (New) The method of claim 41, wherein said polypeptide is fused to a heterologous polypeptide.
44. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:23.
45. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO: 24.
46. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:25.
47. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:26.
48. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:27.
49. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:28.
50. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:29.
51. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:30.

52. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:31.
53. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:32.
54. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:33.
55. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:34.
56. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:35.
57. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:36.
58. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:37.
59. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:38.
60. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:39.
61. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:40.

62. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:41.
63. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:42.
64. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:43.
65. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:44.
66. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:45.
67. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:46.
68. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:47.
69. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:48.
70. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:49.
71. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:50.

72. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:51.
73. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:52.
74. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:53.
75. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:54.
76. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:55.
77. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:56.
78. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:57.
79. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:58.
80. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:59.
81. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:60.

82. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:61.
83. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:62.
84. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:63.
85. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:64.
86. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:65.
87. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:66.
88. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:67.
89. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:68.
90. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:69.
91. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:70.

92. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:71.
93. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:72.
94. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:73.
95. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:74.
96. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:75.
97. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:76.
98. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:77.
99. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:78.
100. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:79.
101. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:80.

102. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:81.
103. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:82.
104. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:83.
105. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:84.
106. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:85.
107. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:86.
108. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:87.
109. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:88.
110. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:89.
111. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:90.

112. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:91.
113. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:92.
114. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:93.
115. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:94.
116. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:95.
117. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:96.
118. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:97.
119. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:98.
120. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:99.
121. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:100.



122. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:101.
123. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:102.
124. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:103.
125. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:104.
126. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:105.
127. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:106.
128. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:107.
129. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:108.
130. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:109.
131. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:110.

132. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:111.
133. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:112.
134. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:113.
135. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:114.
136. (New) A method of inhibiting the activation or mobilization of basophils in an individual in need thereof comprising administering to said individual a therapeutically effective amount of a polypeptide consisting of an amino acid sequence shown in any one of SEQ ID NOs:23-114.
137. (New) The method of claim 136, wherein said polypeptide is fused to polyethylene glycol.
138. (New) The method of claim 136, wherein said polypeptide is fused to a heterologous polypeptide.
139. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:23.
140. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO: 24.

141. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:25.
142. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:26.
143. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:27.
144. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:28.
145. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:29.
146. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:30.
147. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:31.
148. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:32.
149. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:33.
150. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:34.

151. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:35.
152. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:36.
153. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:37.
154. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:38.
155. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:39.
156. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:40.
157. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:41.
158. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:42.
159. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:43.
160. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:44.

161. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:45.
162. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:46.
163. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:47.
164. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:48.
165. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:49.
166. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:50.
167. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:51.
168. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:52.
169. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:53.
170. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:54.

171. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:55.
172. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:56.
173. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:57.
174. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:58.
175. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:59.
176. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:60.
177. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:61.
178. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:62.
179. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:63.
180. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:64.

181. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:65.
182. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:66.
183. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:67.
184. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO 68.
185. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:69.
186. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:70.
187. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:71.
188. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:72.
189. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:73.
190. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:74.

191. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:75.
192. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:76.
193. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:77.
194. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:78.
195. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:79.
196. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:80.
197. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:81.
198. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:82.
199. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:83.
200. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:84.



201. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:85.
202. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:86.
203. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:87.
204. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:88.
205. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:89.
206. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:90.
207. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:91.
208. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:92.
209. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:93.
210. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:94.

- 211. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:95.
- 212. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:96.
- 213. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:97.
- 214. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:98.
- 215. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:99.
- 216. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:100.
- 217. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:101.
- 218. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:102.
- 219. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:103.
- 220. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:104.

- 221. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:105.
- 222. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:106.
- 223. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:107.
- 224. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:108.
- 225. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:109.
- 226. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:110.
- 227. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:111.
- 228. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:112.
- 229. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:113.
- 230. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:114.